

Notice of Allowability

Application No.

10/689,844

Applicant(s)

SEKIGUCHI, HIROSHI

Examiner

Magda Cruz

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Preliminary Amendment filed on 05/05/2004.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ The drawings filed on 25 February 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 05/07/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-16 are allowed.
2. The following is a statement of reasons for the indication of allowable subject matter:
 - a. Regarding claims 1, 10, 13 and 15, the prior art of record neither shows nor suggests a horizontal length L_1 (mm) of the Fresnel lens sheet, thickness T_1 (mm) of the Fresnel lens sheet and maximum elongation percentage A_1 (%) of the Fresnel lens sheet at which the Fresnel lens sheet lengthens due to moisture absorption of the Fresnel lens sheet, meet a requisite condition expressed by a relational expression: $A_1 \leq 0.6 T_1 / L_1$.
 - b. Regarding claims 2, 11, 14 and 16, the prior art of record neither shows nor suggests a horizontal length L_2 (mm) of the base sheet, thickness T_2 (mm) of the base sheet and maximum elongation percentage A_2 (%) of the base sheet at which the base sheet lengthens due to moisture absorption of the base sheet, meet a requisite condition expressed by a relational expression: $A_2 \leq 0.6 T_2 / L_2$.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ogino et al. (US Patent Number 5,200,854) discloses a large-screen projection-type display, wherein the transmission-type screen is formed of two or more sheets, tilted toward the viewer's side with a small gap kept between the sheets, and is stable relative to the temperature and moisture change of the environment.

Kimura (US Patent Number 6,088,158) teaches a rear projection screen having resistance to change of external humidity.

Hori (US Patent Number 6,348,993 B1) shows a method of manufacturing a translucent screen and a rear projection display apparatus, onto which an image light emitted from an image source is projected, that includes first and second members that expand and contract with variations in ambient temperature and humidity.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Magda Cruz whose telephone number is (571) 272-2114. The examiner can normally be reached on Monday through Thursday 8:00-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JUDY NGUYEN
SENIOR PATENT EXAMINER

Magda Cruz
Patent Examiner
May 31, 2005